

10/506893

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/506,893
Source: PCT
Date Processed by STIC: 12/14/2005

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 12/14/2005

PATENT APPLICATION: US/10/506,893

TIME: 14:40:50

Input Set : A:\Sequence Listing.ST25.txt

Output Set: N:\CRF4\12142005\J506893.raw

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3 <110> APPLICANT: Eming, Sabine
4      Krieg, Thomas
5      Sollberg, Stephan
6      Lauer, Gereon
8 <120> TITLE OF INVENTION: Proteolysis Resistant Active VEGF
10 <130> FILE REFERENCE: 3030-101
12 <140> CURRENT APPLICATION NUMBER: 10/506,893
13 <141> CURRENT FILING DATE: 2004-09-07
15 <150> PRIOR APPLICATION NUMBER: PCT/EP03/02289
16 <151> PRIOR FILING DATE: 2003-03-06
18 <150> PRIOR APPLICATION NUMBER: EP 02005186.8
19 <151> PRIOR FILING DATE: 2002-03-08
21 <160> NUMBER OF SEQ ID NOS: 18
23 <170> SOFTWARE: PatentIn version 3.3
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 165
27 <212> TYPE: PRT
28 <213> ORGANISM: Artificial
30 <220> FEATURE:
31 <223> OTHER INFORMATION: mutated human VEGF
33 <400> SEQUENCE: 1
35 Ala Pro Met Ala Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys
36 1          5          10          15
39 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
40          20          25          30
43 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
44          35          40          45
47 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
48          50          55          60
51 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
52 65          70          75          80
55 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
56          85          90          95
59 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Arg Pro Arg
60          100         105         110
63 Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe
64          115         120         125
67 Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser
68          130         135         140
71 Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys
72 145         150         155         160
75 Asp Lys Pro Arg Arg
76          165

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79 <210> SEQ ID NO: 2
 80 <211> LENGTH: 165
 81 <212> TYPE: PRT
 82 <213> ORGANISM: Artificial
 84 <220> FEATURE:
 85 <223> OTHER INFORMATION: mutated human VEGF
 87 <400> SEQUENCE: 2
 89 Ala Pro Met Ala Glu Gly Gly Gly Gln Asn His His Glu Val Val Lys
 90 1 5 10 15
 93 Phe Met Asp Val Tyr Gln Arg Ser Tyr Cys His Pro Ile Glu Thr Leu
 94 20 25 30
 97 Val Asp Ile Phe Gln Glu Tyr Pro Asp Glu Ile Glu Tyr Ile Phe Lys
 98 35 40 45
 101 Pro Ser Cys Val Pro Leu Met Arg Cys Gly Gly Cys Cys Asn Asp Glu
 102 50 55 60
 105 Gly Leu Glu Cys Val Pro Thr Glu Glu Ser Asn Ile Thr Met Gln Ile
 106 65 70 75 80
 109 Met Arg Ile Lys Pro His Gln Gly Gln His Ile Gly Glu Met Ser Phe
 110 85 90 95
 113 Leu Gln His Asn Lys Cys Glu Cys Arg Pro Lys Lys Asp Lys Pro Arg
 114 100 105 110
 117 Gln Glu Asn Pro Cys Gly Pro Cys Ser Glu Arg Arg Lys His Leu Phe
 118 115 120 125
 121 Val Gln Asp Pro Gln Thr Cys Lys Cys Ser Cys Lys Asn Thr Asp Ser
 122 130 135 140
 125 Arg Cys Lys Ala Arg Gln Leu Glu Leu Asn Glu Arg Thr Cys Arg Cys
 126 145 150 155 160
 129 Asp Lys Pro Arg Arg
 130 165

133 <210> SEQ ID NO: 3
 134 <211> LENGTH: 26
 135 <212> TYPE: PRT
 136 <213> ORGANISM: Homo sapiens
 138 <400> SEQUENCE: 3
 140 Met Asn Phe Leu Ser Trp Ser Val His Trp Ser Leu Ala Leu Leu Leu
 141 1 5 10 15
 144 Tyr Leu His His Ala Lys Trp Ser Gln Ala
 145 20 25

148 <210> SEQ ID NO: 4
 149 <211> LENGTH: 27
 150 <212> TYPE: DNA
 151 <213> ORGANISM: Homo sapiens
 153 <400> SEQUENCE: 4
 154 gaccaaagaa agatagagca agacaag

27

157 <210> SEQ ID NO: 5
 158 <211> LENGTH: 8
 159 <212> TYPE: PRT
 160 <213> ORGANISM: Homo sapiens
 162 <400> SEQUENCE: 5

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164 Pro Lys Lys Asp Arg Ala Arg Gln
165 1      5
168 <210> SEQ ID NO: 6
169 <211> LENGTH: 27
170 <212> TYPE: DNA
171 <213> ORGANISM: Artificial
173 <220> FEATURE:
174 <223> OTHER INFORMATION: mutated human VEGF sequence
176 <400> SEQUENCE: 6
177 gaccaaagaa agatgccgca agacaag      27
180 <210> SEQ ID NO: 7
181 <211> LENGTH: 8
182 <212> TYPE: PRT
183 <213> ORGANISM: Artificial
185 <220> FEATURE:
186 <223> OTHER INFORMATION: mutated human VEGF fragment
188 <400> SEQUENCE: 7
190 Pro Lys Lys Asp Ala Ala Arg Gln
191 1      5
194 <210> SEQ ID NO: 8
195 <211> LENGTH: 27
196 <212> TYPE: DNA
197 <213> ORGANISM: Artificial
199 <220> FEATURE:
200 <223> OTHER INFORMATION: mutated human VEGF sequence
202 <400> SEQUENCE: 8
203 gaccaaagaa agatcaggca agacaag      27
206 <210> SEQ ID NO: 9
207 <211> LENGTH: 8
208 <212> TYPE: PRT
209 <213> ORGANISM: Artificial
211 <220> FEATURE:
212 <223> OTHER INFORMATION: mutated human VEGF fragment
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217 1      5
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221 <211> LENGTH: 27
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial
225 <220> FEATURE:
226 <223> OTHER INFORMATION: mutated human VEGF sequence
228 <400> SEQUENCE: 10
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233 <211> LENGTH: 8
234 <212> TYPE: PRT
235 <213> ORGANISM: Artificial
237 <220> FEATURE:

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Input Set : A:\Sequence Listing.ST25.txt

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238 <223> OTHER INFORMATION: mutated human VEGF fragment

240 <400> SEQUENCE: 11

242 Pro Lys Lys Asp Arg Pro Arg Gln

243 1 5

246 <210> SEQ ID NO: 12

247 <211> LENGTH: 27

248 <212> TYPE: DNA

249 <213> ORGANISM: Artificial

251 <220> FEATURE:

252 <223> OTHER INFORMATION: mutated human VEGF sequence

254 <400> SEQUENCE: 12

255 gaccaaagaa agataagcca agacaag

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258 <210> SEQ ID NO: 13

259 <211> LENGTH: 8

260 <212> TYPE: PRT

261 <213> ORGANISM: Artificial

263 <220> FEATURE:

264 <223> OTHER INFORMATION: mutated human VEGF fragment

266 <400> SEQUENCE: 13

268 Pro Lys Lys Asp Lys Pro Arg Gln

269 1 5

272 <210> SEQ ID NO: 14

273 <211> LENGTH: 4

274 <212> TYPE: PRT

275 <213> ORGANISM: Homo sapiens

277 <400> SEQUENCE: 14

279 Asp Arg Ala Arg

280 1

283 <210> SEQ ID NO: 15

284 <211> LENGTH: 4

285 <212> TYPE: PRT

286 <213> ORGANISM: Artificial

288 <220> FEATURE:

289 <223> OTHER INFORMATION: mutated human VEGF fragment

291 <400> SEQUENCE: 15

293 Asp Gln Ala Arg

294 1

297 <210> SEQ ID NO: 16

298 <211> LENGTH: 4

299 <212> TYPE: PRT

300 <213> ORGANISM: Artificial

302 <220> FEATURE:

303 <223> OTHER INFORMATION: mutated human VEGF fragment

305 <400> SEQUENCE: 16

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311 <210> SEQ ID NO: 17

312 <211> LENGTH: 4

313 <212> TYPE: PRT

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Input Set : A:\Sequence Listing.ST25.txt

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314 <213> ORGANISM: Artificial

316 <220> FEATURE:

317 <223> OTHER INFORMATION: mutated human VEGF fragment

319 <400> SEQUENCE: 17

321 Asp Arg Pro Arg

322 1

325 <210> SEQ ID NO: 18

326 <211> LENGTH: 4

327 <212> TYPE: PRT

328 <213> ORGANISM: Artificial

330 <220> FEATURE:

331 <223> OTHER INFORMATION: mutated human VEGF fragment

333 <400> SEQUENCE: 18

335 Asp Lys Pro Arg

336 1

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/506,893

DATE: 12/14/2005
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Input Set : A:\Sequence Listing.ST25.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:1,2,6,7,8,9,10,11,12,13,15,16,17,18

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/506,893

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Input Set : A:\Sequence Listing.ST25.txt

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